

Substitute Form PTO-1449 U.S: Department of Commerce Patent and Trademark Office Information Disclosure Statement

Attorney's Docket No. 13227-008001

January 16, 2001

Filing Date

Michael F. Holick et al.

Application No. 29/759,371

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Applicant

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Group Art Unit 16147623

(Modified)

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MAR 2 1 2002 (37 CFR §1.98(b))

3,733,318

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by Applicant

(Use several sheets if necessary)

Bud Nicnt Documents Examiner Desig. Patent □ ng Date Initial ID Number Issue Date Patentee Class Subclass If Appropriate

05/15/73

	Foreig	n Patent Do	cuments or F	Published Foreign	Patent A	Application	าร	
Examiner Initial	Desig. ID'	Document Number	Publication Date	Country or Patent Office	Class	Subclass		slation No
KKF	ABì	0 721 956	07/17/96	EP	-			
KKF	ACI	0 123 485	10/31/84	EP				
KKF	AD	94/15947	7/21/94	WIPO				
KKE	AE (93/21198	10/28/93	WIPO				

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Examiner	Desig.	
Initial	ID	Document
ext	AF	Althaus, et al., "Separation of some natural and synthetic corticosteroids in biological fluids and tissues by high-performance liquid chromatography" (chemical abstract no. 136023, vol. 96, no. 17, 1982) J. Chromatogr. 1982, 227 (1), 11-23. Abstract only.
KKF	AG	International Search Report for PCT/GB 01/00146; mailed December 5, 2001
WE	АН	Mattox, et al., "Synthesis of C-21 glucosiduronates of cortisone and related corticosteroids" (chemical abstract no. 13321, vol. 71, no. 3, 1969) Biochemistry 1969, 8(3), 1188-

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Sheet <u>1</u> of <u>14</u>

Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 13227-008001

Application No. 09/759,371

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(37 CFR §1.98(b))

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			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
KAT	AA	6,150,336	11/21/2000	Deninno et al.	514	26	
KKF	AB	6,090,949	07/18/2000	McGill, III et al.	549	51	
KKF-	AC	6,090,843	07/18/00	Bryant et al.	514	443	
KKF	AD	6,020,315	02/01/2000	Bosslet et al.	514	34	
RKF	AE	5,972,383	10/26/1999	Gibson et al.	424	464	
KKF	AF	5,955,100	09/21/1999	Bosslet et al.	424	450	
KKE	AG	5,935,995	08/10/1999	Bosslet et al.	514	460	
VICE	AH	5,908,833	06/01/1999	Brattsand et al.	514	26	
KKF	AI	5,904,930	05/18/99	Fischer et al.	424	448	
KKF	AJ	5,902,582	05/11/99	Hung	424	130.1	
CO	AK	5,877,219	03/02/1999	Wilson	514	617	
VICE	AL	5,872,114	02/16/1999	Labrie	514	178	
KKF	AM	5,856,314	01/05/1999	Kaas et al.	514	89	
CICF	AN	5,855,905	01/05/1999	Oettel et al.	424	426	
KKE	AO	5,852,059	12/22/1998	Thompson	514	648	
KKF	AP	5,846,976	12/08/98	Batchelor et al.	514	284	
KLE	AQ	5,844,001	12/01/1998	McClay et al.	514	648	
KRF	AR	5,843,984	12/01/1998	Clay et al.	514	443	
KKF	AS	5,843,974	12/01/98	Swift	514	370	
KKF	AT	5,843,964	12/01/1998	Boss	514	324	
LKF	ΑU	5,843,962	12/01/1998	Dodge	514	324	
KKF	AV	5,843,914	12/01/1998	Johnson, Jr. et al.	514	44	
KKF	AW	5,827,892	10/27/98	Löser et al.	574	648	
KKF	AX	5,827,844	10/27/1998	Cullinan et al.	514	176	
KOT	AY	5,821,254	10/13/1998	Sporn et al.	514	324	
WIG	AZ	5,814,603	09/29/1998	Oldenburg et al.	514	12	
KKE	AAA	5,811,120	09/22/1998	Gibson et al.	424	464	

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			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
KKE	ABB	5,808,061	09/15/1998	Dodge et al.	540	602	
rect	ACC	5,807,899	09/15/1998	Bohlmann et al.	514	708	
KKF	ADD	5,795,883	08/18/1998	Hesch et al.	514	172	
KKF	AEE	5,770,612	06/23/1998	Fontana	514	324	
Lee	AFF	5,763,611	06/09/1998	Kaas et al.	546	21	
VV5	AGG	5,753,639	05/19/1998	Labrie	514	169	
KKF	АНН	5,753,634	05/19/1998	Ebetino et al.	514	81	
vace	All	5,753,633	05/19/1998	Gaffar	514	79	
VICE	AJJ	5,747,510	05/05/1998	Draper	514	33.3	
KKE	AKK	5,731,342	03/24/1998	Cullinan et al.	574	443	
KKF	ALL	5,731,327	03/24/98	Luke	514	324	
px-	АММ	5,726,168	03/10/98	Cullinan et al.	514	176	
KKF	ANN	5,719,136	02/17/98	Chwalisz et al.	514	170	
KKT=	A00	5,712,396	01/27/1998	Magnin et al.	546	22	
KKF	APP	5,710,285	01/20/98	Hauser et al.	549	4	
KKF	AQQ	5,708,010	01/13/1998	Glasebrook	514	324	
KKF	ARR	5,700,815	12/23/1997	Calnek et al.	514	324	
KKF	ASS	5,698,572	12/16/1997	Dodge	514	324	
KKF	ATT	5,693,656	12/02/1997	Black et al.	514	324	
KKF	AUU	5,691,355	11/25/97	Bryant et al.	514	324	
KICF	AVV	5,688,812	11/18/1997	Cullinan	514	324	
VICE	AWW	5,686,476	11/11/1997	May	514	324	
KKE	AXX	5,686,468	11/11/1997	Cullinan	514	324	
WKF	AYY	5,686,467	11/11/1997	Bumol et al.	574	324	
KKF	AZZ	5,672,610	09/30/1997	Zuckerman	514	324	
KKE	AAAA	5,668,120	09/16/1997	Shinoda et al.	514	102	
KKF	ABBB	5,663,184	09/02/1997	Bryant et al.	514	324	

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1614-1623

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Examiner	Desig.	Patent	I Data	Datastas	Class	Cubalana	Filing Date
Initial	ID	Number	Issue Date	Patentee	Class	Subclass	If Appropriate
KKF	ACCC	5,659,087	08/19/97	Aikins et al.	568	27 2	
KUF	ADDD	5,658,931	08/19/97	Bryant et al.	514	319	
KK-	AEEE	5,646,137	07/08/1997	Black et al.	514	171	
VK-	AFFF	5,641,790	06/24/1997	Draper	514	333	
KUF	AGGG	5,635,495	06/03/1997	White et al.	514	81	
VCXCF-	АННН	5,629,425	05/13/97	LaBell et al.	546	202	
KNF	AIII	5,629,303	05/13/1997	Labrie et al.	514	169	
VICE	AJJJ	5,622,975	04/22/1997	Singh et al.	514	324	
KKF	AKKK	5,616,571	04/01/1997	Daifotis et al.	514	102	
EXF	ALLL	5,612,317	03/18/1997	Holick	514	26	
KKF	AMMM	5,610,168	03/11/1997	Draper	514	333	
KKT	ANNN	5,610,167	03/11/1997	Cullinan	514	324	
WKF	A000	5,610,166	03/11/1997	Singh	514	324	
KKF	APPP	5,602,115	02/11/1997	Nugent	514	105	
VICE-	AQQQ	5,593,987	01/14/1997	Cullinan et al.	514	217.03	
KUF	ARRR	5,591,753	11/26/1996	Black et al.	514	324	
WEE	ASSS	5,578,614	11/26/1996	Bryant et al.	514	324	
KKF	ATTT	5,569,772	10/29/1996	Hoard et al.	549	52	
KKE	AUUU	5,567,820	10/22/1996	Dodge et al.	546	202	
KKF	AVVV	5,563,054	10/08/1996	Briggs et al.	435	127	
KKF	AWWW	5,552,417	09/03/1996	Dodge	514	324	
KKE	AXXX	5,552,416	09/03/1996	Keohane	514	324	
KKF	AYYY	5,550,123	08/27/1996	Cullinan	514	217.03	
ect	AZZZ	5,545,641	08/13/1996	Bruns, Jr. et al.	514	317	
KKF	AAAAA	5,545,634	08/13/1996	Labrie	514	169	
KIEF	ABBBB	5,540,925	07/30/1996	Mikulski et al.	424	94.6	
UCF	ACCCC	5,534,526	07/09/1996	Cullinan	514	324	

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(37 CFR §1.98(b))

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			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
KKF	ADDDD	5,530,010	06/25/1996	Glasebrook	514	3/7	
KKF	AEEEE	5,525,624	06/11/1996	Gitter et al.	514	443	
XXF	AFFFF	5,521,214	05/28/1996	Bryant et al.	514	443	
KKT	AGGGG	5,521,198	05/28/1996	Zuckerman	514	324	
KKF	АНННН	5,514,826	05/07/1996	Hoard et al.	556	428	
KKF	AIII	5,512,296	04/30/1996	Cullinan	424	451	
KKT	LILLA	5,510,358	04/23/1996	Palkowitz	514	324	
rect	AKKKK	5,508,392	04/16/1996	Holick	536	18.1	
KKF	ALLLL	5,508,292	04/16/1996	Sall et al.	514	324	
VICE-	АММММ	5,502,074	03/26/1996	Cullinan et al.	514	443	
KKF	ANNNN	5,496,851	03/05/1996	Grinnell	514	443	, , , , , , , , , , , , , , , , , , , ,
KKF	A0000	5,496,828	03/05/1996	Cullinan	514	324	
KRE	APPPP	5,494,920	02/27/1996	Glasebrook et al.	514	324	
UCF	AQQQQ	5,492,927	02/20/1996	Gitter et al.	514	443	
KUE	ARRR	5,491,173	02/13/1996	Toivola et al.	514	648	
WRI-	ASSSS	5,486,511	01/23/1996	Weintraub et al.	514	178	
KKE	ATTTT	5,484,797	01/16/1996	Bryant et al.	514	319	
rut-	AUUUU	5,478,847	12/26/1995	Draper	514	333	
KKF	AVVVV	5,470,883	11/28/1995	Stromberg	514	448	
KKF	AWWWW	5,466,810	11/14/95	Godfrey	546	202	
KKT	AXXXX	5,457,117	10/10/1995	Black et al.	514	33.7	
VCXCF	AYYYY	5,455,335	10/03/95	Kahne et al.	536	5	
KKF	AZZZZ	5,447,941	09/05/1995	Zuckerman	514	32¥	
WEF	AAAAA	5,446,203	08/29/95	McNelis	568	i	
KUE	ABBBBB	5,446,053	08/29/95	Keohane	514	324	
en-	ACCCCC	5,441,964	08/15/1995	Bryant et al.	514		
KKF	ADDDDD	5,439,931	08/08/1995	Sales	SIY	l ,	

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
VICE-	AEEEEE	5,428,181	06/27/1995	Sugioka et al.	552	506	
KHUF	AFFFFF	5,418,252	05/23/1995	Williams	514	443	
KKF	AGGGGG	5,409,911	04/25/1995	Tyler et al.	514	91	
KKE	АННННН	5;403,829	04/04/1995	Lehtinen et al.	514	102	
KKF	AIIII	5,393,763	02/28/1995	Black et al.	514	333	
KKF	LILLIA	5,362,720	11/08/1994	Labrie	514	169	
KKF	AKKKKK	5,360,797	11/01/1994	Johnson et al.	514	111	
KK-	VITIT	5,338,731	08/16/1994	Breuer et al.	514	168	
KKF	АМММММ	5,317,015	05/31/1994	Ullrich et al.	514	79	
KKEF	ANNNNN	5,312,954	05/17/1994	Breuer et al.	558	161	
KKE	A00000	5,260,065	11/09/1993	Mathur et al.	424	450	
KIG	АРРРРР	5,196,435	03/23/1993	Clemens et al.	514	284	
KKF	AQQQQQ	5,196,409	03/23/1993	Breuer et al.	514	108	
KKF	ARRRRR	5,192,525	03/09/1993	Yang et al.	424		
W.C	ASSSSS	5,189,2,12	02/23/1993	Rueniţz	562	468	
KKT=	ATTITT	5,183,815	02/02/1993	Saari et al.	514	172	
KKR	AUUUUU	5,157,027	10/20/1992	Biller et al.	514	107	
KKEF	AVVVVV	5,118,667	06/02/1992	Adams et al.	514	12	
KKF-	AWWWWW	5,103,036	04/07/1992	Magnin et al.	558	161	
KIL	AXXXXX	5,024,833	06/18/1991	Del Bianco et al.	424	16/	
KKF	AYYYYY	4,897,503	01/30/1990	Asao et al.	558		
KKF	AZZZZZ	4,894,373	01/16/90	Young	514	239.2	
KKF	АААААА	4,888,331	12/19/1989	Elger et al.	514	170	
WE =	ABBBBBB	4,851,433	07/25/1989	Kraus	514	648	
KK	ACCCCCC	4,810,486	03/07/1989	Kelly et al.	429	1.1	
KKG=	ADDDDDD	4,803,227	02/07/1989	Brandes et al.	514	65/	
KKE	AEEEEEE	4,696,949	09/29/1987	Toivola et al.	514	648	

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KK	AFFFFF	4,656,187	04/07/1987	Black et al.	514	422	
KICF	AGGGGG	4,623,660	11/18/86	Richardson	514	514	
WKF	АННННН	4,536,516	08/20/1985	Harper et al.	514	574	
XXX	AIIIII	4,521,410	06/04/1985	Holick et al.	514	26	
KKF	LILLIA	4,418,068	11/29/1983	Jones	514	337	
Was	AKKKKKK	4,329,296	05/11/1982	Tax	552	621	
KA	ALLILLI	4,310,523	01/12/1982	Neumann	424	240	
KKF	АММММММ	4,292,251	09/29/1981	Overbeek	<i>55</i>)	629	
KKF	ANNNNNN	4,220,599	09/02/1980	van der Vies	552	638	
VIVE-	A000000	4,198,435	04/15/80	Richardson	514	451	
KK	APPPPPP	3,983,144	09/28/1976	Leemhuis	552	650	
KKF	AQQQQQQ	3,966,713	06/29/1976	Hofmeister et al.	514	172	
KK-	ARRRRRR	3,944,576	03/16/1976	van den Broek et al.	552	617	
KVEF	ASSSSSS	3,929,768	12/30/1975	Brattsand et al.	540	63	
KKF	ATTTTTT	3,917,831	11/04/1975	Grunwell et al.	514	178	
VEVET-	AUUUUUU	3,862,193	01/21/1975	Hirsch	552	520	
WO	AVVVVV	3,721,712	03/20/73	Palopoli et al.	564	323	
KEF	AWWWWW	3,427,300	02/11/69	Sarett et al.	536	17.2	
EKF	AXXXXXX	3,134,718	05/26/1964	Nobile et al.	514	172	
KKE	AYYYYYY	3,126,375	03/24/64	Ringold et al.	540	70	
KKT	A77.77.77.	3,124,571	03/10/1964	Ringold et al.	435	53	
KIGT	AAAAAAA	3,104,246	11/17/1963	Amiard et al.	552	595	
KKF=	ABBBBBBB	3,053,865	09/11/1962	Taub et al.	552	528	
ext-	ACCCCCCC	3,053,832	09/11/1962	Gould	540	97	
KUF	ADDDDDDD	3,021,347	02/13/62	Allen et al.	74	574	
KKF	AEEEEEE	-3,014,938	12/26/1961	Mills et al.	552	 	
KKE	AFFFFFF	3,007,923	11/07/61	Muller et al.	540	35	

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			U.S. Pate	ent Documents			
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KIOF	AGGGGGG	2,897,218	07/28/1959	Sebek	552	572	
WET	АННННННН	2,897,216	07/28/1959	Oliveto, et al.	552	568	
WE	Allilii	2,837,464	06/03/1958	Nobile	435	61	
WIST	LILLILLA	2,789,118	04/16/1957	Bernstein et al.	552	566	
KKF	AKKKKKKK	2,602,769	07/08/1952	Murray et al.	435	60	
KICK	ALLILLIL	2,447,325	08/17/48	Gallagher	552	548	
KNE	АММММММ	2,403,683	07/09/1946	Reichstein	552	535	

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Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
Ket-	АИИИИИИМ	WO 01/27129	04/19/2001	WIPO				
KUF	A0000000	WO 01/27127	04/19/2001	WIPO				
WCF	APPPPPPP	WO 00/66612	11/09/2000	WIPO				
KKT	AQQQQQQQ	EP 0 721 956 B1	08/22/2000	ЕР				
KKF	ARRRRRRR	WO 99/07693	02/18/1999	WIPO				
KKF	ASSSSSS	EP 0 890 643 A2	01/13/99	EP				
UKF	ATTTTTTT	WO 99/00019	01/07/1999	WIPO	_			
KKE	AUUUUUUU	EP 0 879 605 A2	11/25/98	EP	_			
YCKT=	AVVVVVV	EP 0 795 334 A2	09/17/97	EP				
WF	AWWWWWW	WO 96/40616	12/19/1996	WIPO				
KKE	AXXXXXXX	EP 0 735 141 A2	10/02/96	EP				
KVE	AYYYYYYY	WO 96/03995	02/15/1996	WIPO				
act	A7277777	EP 0 683 170	11/22/1995	Europe				ļ
KKE	ААААААА	WO 26720	10/12/1995	WIPO				<u> </u>
KKE	АВВВВВВВ	WO 95/11699	05/04/1995	WIPO				
KKE	ACCCCCCC	G2 273 873 A	07/06/1994	UK				<u> </u>

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	lation No
XXX	ADDDDDDDD	EP 0 595 133 A2	05/04/94	EP				
KKE	AEEEEEEE	WO 93/22334	11/11/1993	WIPO				
KKF	AFFFFFFF	WO 93/00123	01/07/1993	WIPO				
KUT	AGGGGGGG	WO 92/06068	04/16/1992	WIPO				
KKF	АННННННН	WO 92/04365	03/19/1992	WIPO				
KKE	AIIIIIII	WO 90/10638	09/20/1990	WIPO				
KKF	tillilla	63-7331	01/13/88	Japan				
KKF	AKKKKKKK	62-4527	01/10/87	Japan				,
RKF	ALLLLLLL	WO 84/04041	10/25/1984	WIPO				
KKE	амммммми	AU-B- 20504/83	05/03/1984	Australia		_		
KKF	ANNNNNNN	EP 0 011 372 B1	02/09/83	EP		_		
KKF	A00000000	0 062 503 A1	10/13/1982	EP				
KKE	АРРРРРРР	GB 1 338 547	11/28/1973	Great Britain	_	-		
KUF	AQQQQQQQ	GB 1 175 219	12/23/1969	Great Britain		_		
KKF	ARRRRRRR	1,059,548	02/22/67	United Kingdom				
KICF	ASSSSSSS	1,015,396	12/31/65	United Kingdom				
KUT-	АТТТТТТТТ	GB 916 77B ⁷⁷⁸	01/30/1963	Great Britain	_			
	AUUUUUUU	UK 584,062	12/27/1944	UK			ļ	

	Other Documents (include Author, Title, Date, and Place of Publication)			
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Application No. Substitute Form PTO-1449 U.S. Department of Commerce Attorney's Docket No. (Modified) Patent and Trademark Office 13227-008001 09/759,371 Applicant **Information Disclosure Statement** Michael F. Holick et al. by Applicant (Use several sheets if necessary) Filing Date **Group Art Unit** 1614 1623 January 16, 2001 (37 CFR §1.98(b))

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KAT	****	Bonjour, J.P. and Rizzoli, R., "Clodronate in Hypercalcemia of Malignancy," <i>Calcif. Tissue Int.</i> 46:s20-s25, Springer-Verlag (1990).		
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13227-008001	Application No. 09/759,371
_	closure Statement oplicant	Applicant Michael F. Holick et a	1.
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U.S. Department of Commerce Patent and Trademark Office Attomey's Docket No. 13227-008001

Application No. 09/759,371

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Michael F. Holick et al.

Applicant

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(37 CFR §1.98(b))

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Application No. 09/759,371

Information Disclosure Statement by Applicant

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Michael F. Holick et al. Filing Date

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